

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| S1 | 23 | ((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did. | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 18:49 |
| S2 | 5223 | yamazaki-shunpei.in. | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 17:59 |
| S3 | 0 | inukai-sazutaka.in. | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 17:59 |
| S4 | 106 | inukai-kazutaka.in. | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 17:59 |
| S5 | 5293 | yamazaki-shunpei.in. inukai-kazutaka.in. | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 17:59 |
| S6 | 127 | (yamazaki-shunpei.in. inukai-kazutaka.in.) and (light adj emit\$5) and (luminescent) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 17:59 |
| S7 | 21 | ((yamazaki-shunpei.in. inukai-kazutaka.in.) and (light adj emit\$5) and (luminescent)) and electroluminescent | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 17:59 |
| S8 | 12 | ((((yamazaki-shunpei.in. inukai-kazutaka.in.) and (light adj emit\$5) and (luminescent)) and electroluminescent) and (triplet adj excitation)) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 17:59 |
| S9 | 12 | (((((yamazaki-shunpei.in. inukai-kazutaka.in.) and (light adj emit\$5) and (luminescent)) and electroluminescent) and (triplet adj excitation)) and voltage | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 17:59 |
| S10 | 6 | ((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) and (electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 18:07 |

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| S11 | 170 | ((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 06:50 |
| S12 | 110 | ((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.)) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 18:08 |
| S13 | 110 | ((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 18:09 |
| S14 | 0 | ((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation)))) and (triplet adj (exciton or excitation))).ti. | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 18:09 |
| S15 | 1 | ((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 18:11 |

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| | | or excitation))) and (triplet adj (exciton or excitation)).cm. | | | | |
| S16 | 96 | (((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 18:10 |
| S17 | 1 | (((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT") and (triplet adj (exciton or excitation)).ab. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 18:11 |
| S18 | 19 | (((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT") and (electroluminescen\$3 or luminescen\$3 or fluorescen\$3).ti. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 18:12 |

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|-----|----|---|---|----|----|---------------------|
| S19 | 19 | <p>((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (electroluminescen\$3 or luminescen\$3 or fluorescen\$3).ti.) not (((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and (triplet adj (exciton or excitation)).cim.) (((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.))</p> | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 18:23 |
| S20 | 2 | ("5698858" "5756224" "2002/0182441"). FN. | USPAT | OR | ON | 2004/08/06 18:20 |

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| S22 | 76 | <p>(((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.)) (((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.) (((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-</p> | <p>US-PGPUB; USPAT; EPO; JPO; IBM_TDB</p> | OR | ON | 2004/08/06 18:24 |
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6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (electroluminescen\$3 or luminescen\$3 or fluorescen\$3).ti.) ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (electroluminescen\$3 or luminescen\$3 or fluorescen\$3).ti.) not ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and (triplet adj (exciton or excitation)).clm.) ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.))) ("5698858" | "5756224" | "2002/0182441").PN.))

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| S23 | 73 | <p>(((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.)) (((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.) (((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-</p> | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 18:24 |
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6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (electroluminescen\$3 or luminescen\$3 or fluorescen\$3).ti.) ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (electroluminescen\$3 or luminescen\$3 or fluorescen\$3).ti.) not ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and (triplet adj (exciton or excitation)).clm.) ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.))) ("5698858" | "5756224" | "2002/0182441").PN.))) and (material and voltage)

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| S24 | 47 | <p>((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation)))) and ((thin adj film adj transistor) or "TFT")) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.)) (((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation)))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.) (((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation)))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.) (((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation)))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.)</p> | <p>US-PGPUB; USPAT; EPO; JPO; IBM_TDB</p> | OR | ON | 2004/08/06 18:24 |
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6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (electroluminescen\$3 or luminescen\$3 or fluorescen\$3).ti.) ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (electroluminescen\$3 or luminescen\$3 or fluorescen\$3).ti.) not ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and (triplet adj (exciton or excitation)).clm.) ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.))) ("5698858" | "5756224" | "2002/0182441").PN.))) and (material and voltage) and (power adj supply)

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| S25 | 34 | <p>(((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.)) (((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.) ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.) ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.)</p> | <p>US-PGPUB; USPAT; EPO; JPO; IBM_TDB</p> | OR | ON | 2004/08/06 18:37 |
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6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (electroluminescen\$3 or luminescen\$3 or fluorescen\$3).ti.) ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (electroluminescen\$3 or luminescen\$3 or fluorescen\$3).ti.) not ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and (triplet adj (exciton or excitation)).clm.) ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.))) ("5698858" | "5756224" | "2002/0182441").PN.))) and (material and voltage)) and (power adj supply)) and (light adj emitting adj device)

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| S26 | 42 | <p>((((electrolumescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.) (((electrolumescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.) (((electrolumescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-</p> | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/06 18:37 |
|-----|----|--|---|----|----|---------------------|

6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (electroluminescen\$3 or luminescen\$3 or fluorescen\$3).ti.) ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (electroluminescen\$3 or luminescen\$3 or fluorescen\$3).ti.) not ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and (triplet adj (exciton or excitation)).clm.) ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.))) ("5698858" | "5756224" | "2002/0182441").PN.)) not (((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-

6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.)) ((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and (triplet adj (exciton or excitation)).dlm.) (((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.))) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.) (((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-

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|-----|---|---|---|----|----|---------------------|
| | | <p>5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.)) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (electroluminescen\$3 or luminescen\$3 or fluorescen\$3).ti.) ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.)) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (electroluminescen\$3 or luminescen\$3 or fluorescen\$3).ti.) not ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.)) and (triplet adj (exciton or excitation))) and (triplet adj (exciton or excitation)).dlm.) ((((((electroluminescen\$3 or luminescen\$3 or fluorescen\$3) and (triplet adj exciton) and (light adj emit\$5) and transistor) not (((US-6303238-\$ or US-6267913-\$ or US-6310360-\$ or US-6160272-\$ or US-6191764-\$ or US-6191534-\$ or US-6057647-\$ or US-6028327-\$ or US-6004681-\$ or US-5965979-\$ or US-5955834-\$ or US-5922537-\$ or US-5756224-\$ or US-5698048-\$ or US-5666023-\$ or US-5523555-\$ or US-5504323-\$ or US-5096801-\$ or US-4924215-\$ or US-4974942-\$ or US-4907862-\$ or US-4143297-\$).did. or (US-20010050373-\$).did.) (yamazaki-shunpei.in. inukai-kazutaka.in.)) and (triplet adj (exciton or excitation))) and ((thin adj film adj transistor) or "TFT")) and (triplet adj (exciton or excitation)).ab.))) ("5698858" "5756224" "2002/0182441".FN.)) and (material and voltage)) and (power adj supply)) and (light adj emitting adj device))</p> | | | | |
| S27 | 6 | 6475845" | US-PGRUB; USPAT; EPO, JPO, IBM_TDB | OR | ON | 2004/08/06 18:50 |

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| S28 | 14 | "6310360" | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/07 05:28 |
| S29 | 8 | "6310360" and (triplet adj (exciton or excitation)) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/07 05:29 |
| S30 | 8 | ("6310360" and (triplet adj (exciton or excitation))) and ((electroluminescen\$3 or luminescen\$3 or fluorescen\$3)) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/07 05:29 |
| S31 | 7 | "6310360".URPN. | USPAT | OR | ON | 2004/08/07 11:14 |
| S32 | 4 | ("5393614" "6010796" "6310360" "6312836").PN. | USPAT | OR | ON | 2004/08/07 11:16 |
| S33 | 16 | ((US-6730992-\$ or US-5756224-\$ or US-6733905-\$ or US-6762735-\$ or US-6528950-\$ or US-6611108-\$ or US-6660410-\$ or US-6515298-\$ or US-6310360-\$ or US-6524728-\$ or US-6312836-\$ or US-6010796-\$).did. or (US-20030054198-\$ or US-20030059646-\$ or US-20030178619-\$ or US-20020008233-\$). did. | US-PGRUB; USPAT | OR | OFF | 2004/08/08 18:32 |
| S34 | 12 | ((((US-6730992-\$ or US-5756224-\$ or US-6733905-\$ or US-6762735-\$ or US-6528950-\$ or US-6611108-\$ or US-6660410-\$ or US-6515298-\$ or US-6310360-\$ or US-6524728-\$ or US-6312836-\$ or US-6010796-\$).did. or (US-20030054198-\$ or US-20030059646-\$ or US-20030178619-\$ or US-20020008233-\$). did.) and triplet | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/08 18:33 |
| S35 | 10 | (((((US-6730992-\$ or US-5756224-\$ or US-6733905-\$ or US-6762735-\$ or US-6528950-\$ or US-6611108-\$ or US-6660410-\$ or US-6515298-\$ or US-6310360-\$ or US-6524728-\$ or US-6312836-\$ or US-6010796-\$).did. or (US-20030054198-\$ or US-20030059646-\$ or US-20030178619-\$ or US-20020008233-\$). did.) and triplet) and electroluminescen\$3) and voltage | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/08 18:55 |
| S36 | 4 | (((((US-6730992-\$ or US-5756224-\$ or US-6733905-\$ or US-6762735-\$ or US-6528950-\$ or US-6611108-\$ or US-6660410-\$ or US-6515298-\$ or US-6310360-\$ or US-6524728-\$ or US-6312836-\$ or US-6010796-\$).did. or (US-20030054198-\$ or US-20030059646-\$ or US-20030178619-\$ or US-20020008233-\$). did.) and triplet) and electroluminescen\$3) and voltage) and transistor | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/08 18:55 |
| S37 | 10 | (((((US-6730992-\$ or US-5756224-\$ or US-6733905-\$ or US-6762735-\$ or US-6528950-\$ or US-6611108-\$ or US-6660410-\$ or US-6515298-\$ or US-6310360-\$ or US-6524728-\$ or US-6312836-\$ or US-6010796-\$).did. or (US-20030054198-\$ or US-20030059646-\$ or US-20030178619-\$ or US-20020008233-\$). did.) and triplet) and electroluminescen\$3 | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/08 21:49 |

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|-----|-----|--|---|----|----|---------------------|
| S38 | 921 | ((light adj emitting adj device) and electroluminescen\$3 and substrate and ((metal with group) or nicle or cobalt or palladium) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/08 21:50 |
| S39 | 914 | ((light adj emitting adj device) and electroluminescen\$3 and substrate and ((metal with group) or nicle or cobalt or palladium)) not (((US-6730992-\$ or US-5756224-\$ or US-6733905-\$ or US-6762735-\$ or US-6528950-\$ or US-6611108-\$ or US-6660410-\$ or US-6515298-\$ or US-6310360-\$ or US-6524728-\$ or US-6312836-\$ or US-6010796-\$).did. or (US-20030054198-\$ or US-20030059646-\$ or US-20030178619-\$ or US-20020008233-\$).did.) and triplet) and electroluminescen\$3) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/08 21:50 |
| S40 | 416 | ((light adj emitting adj device) and electroluminescen\$3 and substrate and ((metal with group) or nicle or cobalt or palladium)) not (((US-6730992-\$ or US-5756224-\$ or US-6733905-\$ or US-6762735-\$ or US-6528950-\$ or US-6611108-\$ or US-6660410-\$ or US-6515298-\$ or US-6310360-\$ or US-6524728-\$ or US-6312836-\$ or US-6010796-\$).did. or (US-20030054198-\$ or US-20030059646-\$ or US-20030178619-\$ or US-20020008233-\$).did.) and triplet) and electroluminescen\$3)) and (formula and luminescen\$3) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/08 21:51 |
| S41 | 108 | ((light adj emitting adj device) and electroluminescen\$3 and substrate and ((metal with group) or nicle or cobalt or palladium)) not (((US-6730992-\$ or US-5756224-\$ or US-6733905-\$ or US-6762735-\$ or US-6528950-\$ or US-6611108-\$ or US-6660410-\$ or US-6515298-\$ or US-6310360-\$ or US-6524728-\$ or US-6312836-\$ or US-6010796-\$).did. or (US-20030054198-\$ or US-20030059646-\$ or US-20030178619-\$ or US-20020008233-\$).did.) and triplet) and electroluminescen\$3)) and (formula and luminescen\$3)) and (triplet) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/08 21:51 |
| S42 | 42 | ((light adj emitting adj device) and electroluminescen\$3 and substrate and ((metal with group) or nicle or cobalt or palladium)) not (((US-6730992-\$ or US-5756224-\$ or US-6733905-\$ or US-6762735-\$ or US-6528950-\$ or US-6611108-\$ or US-6660410-\$ or US-6515298-\$ or US-6310360-\$ or US-6524728-\$ or US-6312836-\$ or US-6010796-\$).did. or (US-20030054198-\$ or US-20030059646-\$ or US-20030178619-\$ or US-20020008233-\$).did.) and triplet) and electroluminescen\$3)) and (formula and luminescen\$3)) and (triplet) and ((nickel or "Ni") and (cobalt or "Co") and (palladium or "Pd")) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/08 21:53 |

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|-----|----|--|---|----|-----|---------------------|
| S43 | 17 | (((((light adj emitting adj device) and electroluminescen\$3 and substrate and ((metal with group) or nicle or cobalt or palladium)) not (((US-6730992-\$ or US-5756224-\$ or US-6733905-\$ or US-6762735-\$ or US-6528950-\$ or US-6611108-\$ or US-6660410-\$ or US-6515298-\$ or US-6310360-\$ or US-6524728-\$ or US-6312836-\$ or US-6010796-\$).did. or (US-20030054198-\$ or US-20030059646-\$ or US-20030178619-\$ or US-20020008233-\$).did.) and triplet) and electroluminescen\$3)) and (formula and luminescen\$3)) and (triplet)) and ((nickel or "Ni") and (cobalt or "Co") and (palladium or "Pd"))) and (transistor)) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/08 21:53 |
| S44 | 15 | (US-6730992-\$ or US-5756224-\$ or US-6762735-\$ or US-6528950-\$ or US-6611108-\$ or US-6660410-\$ or US-6515298-\$ or US-6310360-\$ or US-6524728-\$ or US-6312836-\$ or US-6010796-\$).did. or (US-20030054198-\$ or US-20030059646-\$ or US-20030178619-\$ or US-20020008233-\$).did. | US-PGRUB; USPAT | OR | OFF | 2004/08/08 21:53 |
| S45 | 17 | (((((light adj emitting adj device) and electroluminescen\$3 and substrate and ((metal with group) or nicle or cobalt or palladium)) not (((US-6730992-\$ or US-5756224-\$ or US-6733905-\$ or US-6762735-\$ or US-6528950-\$ or US-6611108-\$ or US-6660410-\$ or US-6515298-\$ or US-6310360-\$ or US-6524728-\$ or US-6312836-\$ or US-6010796-\$).did. or (US-20030054198-\$ or US-20030059646-\$ or US-20030178619-\$ or US-20020008233-\$).did.) and triplet) and electroluminescen\$3)) and (formula and luminescen\$3)) and (triplet)) and ((nickel or "Ni") and (cobalt or "Co") and (palladium or "Pd"))) and (transistor) not ((US-6730992-\$ or US-5756224-\$ or US-6762735-\$ or US-6528950-\$ or US-6611108-\$ or US-6660410-\$ or US-6515298-\$ or US-6310360-\$ or US-6524728-\$ or US-6312836-\$ or US-6010796-\$).did. or (US-20030054198-\$ or US-20030059646-\$ or US-20030178619-\$ or US-20020008233-\$).did.) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/08/08 21:54 |
| S46 | 15 | (US-20020008233-\$ or US-20030054198-\$ or US-20030059646-\$ or US-20030178619-\$).did. or (US-5756224-\$ or US-6010796-\$ or US-6310360-\$ or US-6312836-\$ or US-6515298-\$ or US-6524728-\$ or US-6528950-\$ or US-6611108-\$ or US-6660410-\$ or US-6730992-\$ or US-6762735-\$).did. | US-PGRUB; USPAT | OR | OFF | 2005/02/17 11:54 |
| S47 | 19 | "6160272" | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/03/01 10:15 |
| S48 | 16 | (US-20020008233-\$ or US-20030054198-\$ or US-20030059646-\$ or US-20030178619-\$).did. or (US-5756224-\$ or US-6010796-\$ or US-6160272-\$ or US-6310360-\$ or US-6312836-\$ or US-6515298-\$ or US-6524728-\$ or US-6528950-\$ or US-6611108-\$ or US-6660410-\$ or US-6730992-\$ or US-6762735-\$).did. | US-PGRUB; USPAT | OR | ON | 2005/10/31 06:40 |

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|-----|------|---|---|----|----|---------------------|
| S49 | 5 | digital\$3 adj driv\$3 adj transistor | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 06:50 |
| S50 | 2357 | digital\$3 with driv\$3 with transistor | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 06:50 |
| S51 | 240 | S50 and (\$7lumines\$6 or fluorescen\$3) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 06:52 |
| S52 | 12 | S51 and ((triplet adj exciton) and (light adj emit\$5) and transistor) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 09:52 |
| S53 | 15 | S51 and (triplet near\$3 excit\$3) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 06:56 |
| S54 | 3 | S53 not S52 | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 06:55 |
| S55 | 15 | S51 and (triplet with excit\$3) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 06:56 |
| S56 | 27 | S51 and (triplet) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 06:56 |
| S58 | 12 | S56 not S55 | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 06:57 |
| S59 | 38 | ("20020196389" "20030016190" "4356429" "4539507" "4720432" "4769292" "4885211" "4950950" "5047687" "5059861" "5059862" "5061617" "5073446" "5151629" "5247190" "5294869" "5294870" "5399502" "5641991" "5714968" "5839456" "5882761" "5990629" "6011529" "6087245" "6100860" "6111270" "6165824" "6229506" "6236064" "6246180" "6246384" "6281634" "6307322" "6366025" "6433485" "6440877" "6528950"),PN. | US-PGRUB; USPAT; USOCR | OR | ON | 2005/10/31 07:00 |
| S60 | 213 | S51 not (S53 S55 S56) | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 09:54 |

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| S61 | 47 | S60 and @ad<"20000522" | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 07:03 |
| S62 | 15 | S60 and @rlad<"20000522" | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 07:03 |
| S63 | 56 | S61 S62 | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 07:59 |
| S64 | 54 | S63 and voltage | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 09:52 |
| S65 | 375 | "5703436" | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 09:52 |
| S66 | 59 | S65 and ((triplet adj exciton) and (light adj emit\$5) and transistor) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 09:53 |
| S67 | 36 | S66 and ((driv\$3 or control\$3) near (circuit or device or component)) | US-PGRUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 09:54 |
| S68 | 36 | S67 not (S63 S55 S66 S64) | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 12:32 |
| S69 | 1 | "6873312" | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 12:32 |
| S70 | 375 | "5703436" | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/10/31 12:49 |
| S71 | 7508 | 257/40,72,98,e31.095,e31.096,e31.129,e33.061.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 18:18 |
| S72 | 330 | 365/110,111.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 18:19 |

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|-----|------|--|---|----|----|---------------------|
| S73 | 1122 | 438/29.69.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 18:19 |
| S74 | 2581 | (S71 S72 S73) and (\$luminescen\$) | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 19:23 |
| S75 | 323 | S74 and triplet | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 18:42 |
| S76 | 171 | S75 and digit\$5 | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 18:23 |
| S77 | 155 | S76 and transistor | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 18:23 |
| S79 | 24 | S76 and (digit\$4 with (transistor or gate)) | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 18:40 |
| S80 | 2206 | 257/72.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 18:42 |
| S81 | 2214 | 257/59.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 18:42 |
| S82 | 75 | S81 and triplet and (\$luminescen\$) | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 18:48 |
| S83 | 1 | (S82 not S79) and (@ad<"20000522" or @rlad<"20000522") | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 18:44 |
| S84 | 15 | (S82 not S79) and (@ad<"20010502" or @rlad<"20010502") | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 19:04 |
| S85 | 8 | (digital\$3 and triplet and (\$luminescen\$)). clm. | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 19:03 |

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| S86 | 2595 | (digital\$3 and triplet and (\$luminescen\$)) | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 19:04 |
| S87 | 1043 | S86 and transistor | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 19:04 |
| S88 | 40 | (S87 not (S79 S83 S84 S85)) and (@ad<"20000522" or @rlad<"20000522") | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 19:21 |
| S89 | 23 | S88 and (digital with (gate or transistor or driv \$4 or control\$4)) | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 19:06 |
| S90 | 11 | S88 and (excit\$4 near triplet) | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 19:20 |
| S91 | 14 | S88 and (excit\$4 near3 triplet) | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 19:17 |
| S92 | 8661 | (transistor with (digital\$3 with (gate or control \$3 or operat\$3))) | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 19:20 |
| S93 | 4762 | (S92 not (S79 S83 S84 S85 S90 S91)) and (@ad<"20000522" or @rlad<"20000522") | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 19:22 |
| S94 | 598 | S93 and (light with emi\$5) | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 19:23 |
| S96 | 50 | S94 and (\$luminescen\$) | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 19:24 |
| S97 | 0 | S96 and triplet | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/05/08 19:23 |
| S98 | 201 | "5684365" | USPAT | OR | OFF | 2008/03/21 15:40 |
| S99 | 156 | "6097147" | USPAT | OR | OFF | 2008/03/21 15:41 |

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|------|-------|---|--|----|-----|---------------------|
| S100 | 1 | 10/754701 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 15:47 |
| S101 | 1285 | 257/40.ccls. | USPAT | OR | OFF | 2008/03/21 15:59 |
| S102 | 2935 | 257/59.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2008/03/21 16:01 |
| S103 | 2335 | 345/76.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2008/03/21 16:01 |
| S104 | 4046 | 428/690.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2008/03/21 16:01 |
| S105 | 13422 | 257/40,59,72,94,87,89,102,103,e51.044, e51.041,e51.047,e51.051.ccls. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 16:54 |
| S106 | 0 | 245/76,98,504.ccls. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 16:54 |
| S107 | 4731 | 345/76,98,504.ccls. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 16:54 |
| S108 | 455 | H01L51/00.ipc. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 16:55 |
| S109 | 227 | H01L35/24.ipc. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 16:55 |
| S110 | 16335 | S98 S99 S104 S105 S108 S109 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 16:56 |

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|------|------|--|--|----|-----|---------------------|
| S111 | 2930 | S110 and (driv\$3 near2 circuit) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 16:56 |
| S112 | 3846 | S110 and ((power voltage) near2 (supply source)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 16:57 |
| S113 | 1471 | S111 and S112 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 16:57 |
| S114 | 601 | S113 and (@ad<"20010502" @riad<"20010502") | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 16:57 |
| S115 | 312 | S114 and digital\$3 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 16:57 |
| S116 | 146 | S115 and (low small\$3) adj2 voltage | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 16:58 |
| S117 | 26 | S116 and triplet\$3 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 16:58 |
| S118 | 2 | ((("6097147") or ("5684365")),PN. | USPAT; USOCR | OR | OFF | 2008/03/21 17:00 |
| S119 | 1 | S118 and triplet | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 17:01 |
| S120 | 120 | S116 not S117 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 17:13 |

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|------|-----|--|--|----|-----|---------------------|
| S121 | 8 | S120 and (digital with gate) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 17:17 |
| S122 | 408 | (semiconductor adj energy).as. and (driv\$3 near2 circuit) and (digital with gate) and ((power voltage) near2 (supply source)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 17:46 |
| S123 | 196 | S122 and triplet | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 17:46 |
| S124 | 196 | S123 not S120 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 17:46 |
| S125 | 0 | S124 and (@ad< "20000522" @rlad< "20000522") | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 17:47 |
| S126 | 95 | S124 and (@ad< "20000522" @rlad< "20000522") | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 17:48 |
| S127 | 0 | S126 and (((power voltage) near2 (supply source)) with config\$5) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 17:49 |
| S128 | 0 | S126 and (((power voltage) near2 (supply source)) with config\$6) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 17:49 |
| S129 | 18 | S126 and ((power voltage) with transistor) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/03/21 17:50 |
| S130 | 1 | 10/754701 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/04/04 15:54 |

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|------|-----|--|--|----|-----|---------------------|
| S131 | 295 | ((electroluminescen\$3 electro-luminescen\$3 (electr\$3 near2 luminescen\$3)) and digital and transistor and ((voltage power) same (10v ("10" adj volt)))) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/04/04 17:41 |
| S132 | 76 | S131 and triplet | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/04/04 17:41 |
| S133 | 0 | S132 and (@ad<"20000522" @rlad<"20000522") | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/04/04 17:42 |
| S134 | 25 | S132 and (@ad<"20010502" @rlad<"20010502") | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/04/04 17:42 |
| S135 | 21 | ("20020113760" "4888523" "5095248" "5247190" "5399502" "5806348" "5610628" "5652600" "5736752" "5876865" "5899575" "5940053" "5990629" "6246180" "6246384" "6292183" "6335716" "6504520" "6548960" "6756740").PN. OR ("7113154"). URPN. | US-PGRUB; USPAT; USOCR | OR | OFF | 2008/04/04 17:52 |
| S136 | 1 | ((electroluminescen\$3 electro-luminescen\$3 (electr\$3 near2 luminescen\$3)) and digital and transistor and ((voltage power) same (10v ("10" adj volt))))).clm. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/04/04 17:58 |
| S137 | 131 | ((electroluminescen\$3 electro-luminescen\$3 (electr\$3 near2 luminescen\$3)) and digital and transistor and (voltage power)).clm. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/04/04 17:59 |
| S138 | 3 | S137 and triplet.clm. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/04/04 18:00 |
| S139 | 49 | S137 and driver.clm. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/04/04 18:01 |

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|------|-----|------------------------------|--|----|-----|---------------------|
| S140 | 206 | S131 and driver | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/04/04 18:11 |
| S141 | 177 | S140 not (S134 S138 S139) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/04/04 18:11 |
| S142 | 36 | S141 and (digital with gate) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/04/04 18:11 |
| S143 | 9 | S142 and triplet | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB | OR | OFF | 2008/04/04 18:19 |

4/ 7/ 2008 5:00:55 PM

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